9—255
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

#150

Lake Carmel Quad #150
7½' Series
5.2S
9.2E
Carmel 15' quad
15Y; 2.6S; 4.6E
Locate well on plat of section.

RECORD OF WELL

1. **Location:** State N. Y. County Putnam
   Nearest P. O. ____ Direction from P. O. ____
   Distance from P. O. ____ miles; ____ ¼ sec. ____, T. ____, R. ____
   If in city, give street and number Town of Kent
2. **Owner:** William Johnsen Address Lake Carmel, N. Y.
   Driller: Willie W. Johnsen Address do
3. **Situation:** Is well on upland, in valley, or on hillside? hillside valley
4. **Elevation of top of well:** 640 ft. above (Above or below) the level of sea (Sea, depot, lake, or stream)
5. **Type of well:** drilled (Dug, driven, bored, or drilled); kind of drilling rig used st (Solid tool, jetting, rotary, etc.)
6. **Depth of well:** 210 ft.; year in which well was finished —
   Does well enter rock? no; if so, at what depth? — ft.; kind of rock —
7. **Diameter:** At top 6 inches; at bottom 5 inches.
8. **Principal water bed:** 194-210 (Gravel, sand, clay, or rock. If rock, state kind)
   Depth to principal water bed 194 ft.; thickness of bed 16 ft.
   If other water supplies were found, give depth to each none
9. **Casings:** Kind iron; size 6"; length ~~194~~ ft.; between depths of 0 and 194 ft.
   Kind iron; size 5"; length ____ ft.; between depths of ____ and ____ ft.
   Kind ____; size ____; length ____ ft.; between depths of ____ and ____ ft.
   Total of 194' of casing
   Packers (if any): Depth at which packers were used ____; kind ____
   Screen or Strainer: Was well finished with screen? —; kind of screen —;
   length of screen ____ ft.; diameter ____ inches; size of openings ____
10. **Head:** Does well at present overflow without pumping? no; did it overflow when new? —;
    if flowing, give pressure — lb. per sq. inch; or height water will rise in a pipe — ft. above surface;
    original pressure or head —; if not flowing, give water level in well 7 ft. reported below surface.
11. **Pump:** Is the well pumped? yes; kind of pump Meyers Bulldozer - shallow well
    size or capacity of pump ____; kind of power ____
12. **Yield:** Natural flow at present (if any) ____ gallons per minute; original flow ____ gallons per minute;
    well has been pumped at 48 gallons per minute continuously for — hours;
    quantity of water ordinarily obtained from well 500 gallons per day. est max
13. **Use:** For what purpose is the water used? domestic - also supplies water for drilling
14. **Quality of the water:** soft - a bit of iron milky at first - clear now (Hard or soft, fresh or salty, etc.); is there an analysis? —
15. **Cost of well,** not including pump: — Temperature of water — °F.

Name of person filling blank L. Page from W. Johnsen owner

Date 4-7-50 Address owner + driller-owner

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

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LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	DEPTH, IN FEET To—	THICKNESS, IN FEET	REMARKS (Especially information as to water found)
Boulders to 60 feet				
then sand, hardpan, gravel				
Topsoil	0	5	5	
Gravel	5	12	7	
Hardpan with boulders	12	60	48	
Sand (fine) reddish	60	192	132	
Coarse gravel (with 1" red stone)	192	210	18	
Analyses - (N.Y.S.D.P.H.)				collected 8-4-50
Dis. solids	192			
Fe	1.5			
Mn	<0.01			
HCO_3	177			
SO_4	6.6			
Cl	1.8			
Hardness total	128			
CO_3	128			
Non CO_3	0			
AIKA	145			
PH	7.8			
Color 5				
Turbidity 20				

Leo Roy → 194

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